

U2OS-CRISPR-NUP96-SNAP | 300444

General information

Description	U-2 OS-CRISPR-NUP96-SNAP cell line. This cell line is derived from U-2 OS cells and is characterized by the presence of a CRISPR-Cas9 system targeting the NUP96 gene. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cell line is available in 33 wells.
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Organism	Homo sapiens
Tissue	Ovary
Disease	None

Characteristics

Age	15 days
Gender	Female
Ethnicity	Not applicable
Growth properties	Adherent

Identification and safety

Citation	U-2 OS-CRISPR-NUP96-SNAP (Accession: 300444)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_B7FL
Depositor	EMBL
GMO Status	GMO-S1: U2OS-CRISPR-NUP96-SNAP (33)

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XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

Protein expression NUP96-SNAP (XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX96XXXXXXXX SNAP)

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Culture Medium XXXXX 5 % 3.0 %/XXXX XXXXXXXXXXXX % XXXXXXXXXXXX XXXXXXXXXXXX % 2.0 %XX XXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX % 2.2 %/XXXX NaHCO3 (XXXX XXXXXXX)

Supplements XXX XXX XXXXX 10% FBS 3.0 %/XXXX XXXXXXXXXXXX XXXXXXXXXXXX % 2.0 %XX XXXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX % 2.2 %/XXXX NaHCO3

Dissociation Reagent XXXXXXX

Subculturing XX XXXXXXX XXXXXXX XXXXXXX XX XXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX PBS XXXXX XXXXXXX XX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

Seeding density 1×10^4 /XXXX

Fluid renewal 2 XXX 3 XXXXX XX XXXXXXXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXX XXX XXXXXXX (XXXX XX XXX FBS) + 10% DMSO XX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 100 µl of medium.
3. Seed the cells into a 96-well plate (37 wells) at a density of 37 cells per well.
4. Incubate the cells for 70% confluency.
5. Seed the cells into a 96-well plate (15 wells) at a density of 15 cells per well.
6. Incubate the cells for 300 x g for 3 minutes.
7. Seed the cells into a 96-well plate (10 wells) at a density of 10 cells per well.
8. Incubate the cells for 10 days.

Incubation Atmosphere 37 °C, 5% CO₂

Flask Coating None

Freezing Procedure Harvest cells and freeze in liquid nitrogen.

Shipping Conditions Dry ice, -78 °C

Storage Conditions -150 °C to -196 °C

Genotype / HLA

Sterility The cells are free of mycoplasma contamination (PCR).